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## DEFEAT OF ANTIVACCINATION AND ANTIVIVISECTION MEASURES ON THE PACIFIC COAST.

Two initiative measures—the antivaccination constitutional amendment and the proposed antivivisection act—both menacing the public health, were defeated by the people of California at the election last November.

The antivaccination amendment declared that “No form of vaccination, inoculation, or other medication shall hereafter be made a condition for admission to or attendance in any public school, college, university, or other educational institution in this State, or for the employment of any person in any public office. The provisions of this section shall not be controlled or limited by any other provision of this constitution.” This measure was actively opposed by the universities, medical schools, the State tuberculosis society, State and city boards of health, and many other influential organizations, as well as by the practicing physicians throughout the State.

The votes on these measures were as follows:

	Yes.	No.
Antivaccination.....	359,987	468,911
Antivivisection.....	272,238	527,130

A proposed constitutional amendment abolishing compulsory vaccination, similar to the California measure, was defeated in Oregon by a vote of 2 to 1, the final count being 63,028 for and 127,238 against.

This decisive vote is interesting in view of the fact that the proposed amendment was much more far-sweeping than a similar measure voted on four years ago, which was defeated by only 400 votes.

A vigorous campaign against the amendment was carried on by a joint committee of physicians and laymen.

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## PUBLIC HEALTH ENGINEERING ABSTRACTS.

**Hardness of surface waters of the United States.**—W. D. Collins, U. S. Geological Survey, *Journal of Industrial and Engineering Chemistry*, Vol. 12, No. 12, December, 1920, pp. 1181–1183.

The results of water analyses made by the United States Geological Survey in a general study of surface waters in the country are given in the table following.